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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/896,072	06/28/2001	John J. Light	10559/497001/P11789	9527
20985	7590	07/02/2004	EXAMINER	
FISH & RICHARDSON, PC 12390 EL CAMINO REAL SAN DIEGO, CA 92130-2081			TRAN, MYLINH T	
			ART UNIT	PAPER NUMBER

2174

DATE MAILED: 07/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/896,072

Applicant(s)

JOHN LIGHT

Examiner

Mylinh T Tran

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on Amendment filed 04/15/04.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION***Claim Objections***

Claims 3, 13 and 23 are objected to because of the following informalities: "wherein the line of site" should be changed to --the line of sight--. Appropriate correction is required.

Claim Rejections - 35 USC § 102

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-5, 7-15, 17-25 and 27-30 are rejected under 35

U.S.C. 102(b) as being anticipated by Brown [5,461,709].

As to claims 1, 11 and 21, Brown discloses selecting the object at an initial location using a cursor and moving the cursor from the initial location (column 2, lines 5-22, "starting point"); generating a reference plan extending through the initial location (figure 4, constructing plan, column 2, lines 5-22); projecting movement of the cursor from the initial location to an interim point on the reference (column 2, lines 5-22 and column 8, lines 35-67, "tentative point"); projecting the cursor from the interim point on the reference plane to a final location on the drag plane (column 2, lines 5-22 and column 8, line 55 through column 9, line 20, "desired point") and rendering the object on the drag plane at the final location (figure 4).

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As to claims 2, 12 and 22, Brown also discloses projecting the cursor from the interim point comprises rotating the reference plane onto the drag plane (figure 4, column 5, lines 5-30).

As to claims 3, 13 and 23, Brown shows calculating a first angle between a line of sight and the drag plane, wherein the line of sight is a line from a virtual camera to the object (column 5, lines 5-30); and determining a drag angle by using a larger angle of the first angle and a predetermined minimum angle (column 6, lines 39-60).

As to claims 4, 14 and 24, Brown also shows the reference plane being created using the drag angle (column 8, lines 35-67).

As to claims 5, 15 and 25, Brown teaches drag angle is measured from the line of sight to the reference plane (figure 4, column 6, line 39-62).

As to claims 7, 17 and 27, Brown demonstrates hiding the cursor from a user's view wherein the object is displayed while the cursor is hidden (column 6, lines 18-28).

As to claims 8, 18 and 28, Brown also demonstrates deselecting the object and displaying the cursor following deselecting (column 9, lines 15-30).

As to claims 9, 19 and 29, Brown provides moving the cursor to the location of the object, wherein the cursor is displayed at the location of the object (column 3, lines 35-54).

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As to claims 10, 20 and 30, Brown also provides a virtual camera moves to keep the object in a user's view (column 5, lines 5-30).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 6, 16 and 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Brown.

As to claims 6, 16 and 26, although Brown disclose of an angle (figure 4), it does not explicitly mention the minimum angle being 30. It is well known in the state of the art that the angle of figure 4 could be 30 degrees. The Examiner takes OFFICAL NOTICE. It would have been obvious to one of ordinary skill in the art, having the teachings of Brown before him, to modify the angle of figure 4 of Brown to be a 30 degree angle, as made known in the state of the art.

Conclusion

Responses to this action should be mailed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231. If applicant desires fax a response, (703) 746-7238), may be used for formal After Final communications, (703) 746-7239 for Official communications, or

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(703) 746-7240 for Non-Official or draft communications. NOTE, A Request for Continuation (Rule 60 or 62) cannot be faxed.

Please label "PROPOSED" or "DRAFT" for information facsimile communications. For after final responses, please label "AFTER FINAL" or "EXPEDITED PROCEDURE" on the document.

Hand-delivered responses should be brought to Crystal Park II, 2121

Crystal Drive, Arlington, VA., Fourth Floor (Receptionist).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mylinh Tran whose telephone number is (703) 308-1304. The examiner can normally be reached on Monday-Thursday from 8.00AM to 6.30PM

If attempt to reach the examiner by telephone are unsuccessful, the examiner 's supervisor, Kristine Kincaid, can be reached on (703) 308-0640,

All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3800.

Mylinh Tran

Art Unit 2174

Kristine Kincaid
KRISTINE KINCAID
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

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